

Applic. No. 10/673,743  
Amdt. dated August 28, 2006  
Reply to Office action of April 10, 2006

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Claim Amendments

This listing of the claims will replace all prior versions,  
and listings, of claims in the application:

Claim 1 (currently amended): A method which comprises the  
following steps:

electronically determining a medical condition for a  
virtual patient;

electronically simulating a medical examination on the  
patient, where simulating the medical examination  
includes providing dynamic internal views and  
external views of organs and systems associated with  
the medical condition; and

electronically administering at least one course of  
treatment on the virtual patient.

Claim 2 (cancelled).

Claim 3 (currently amended): The method according to claim  
[[0]] 1, which further comprises selecting the medical  
condition from the group consisting of cardiac arrest,  
ACS/AMI, CHF, DVT/PE, aortic dissection, pericardial  
tamponade, pneumothorax (tension & simple), asthma, pneumonia,

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appendicitis, AAA, perforated viscous, GI bleed (upper & lower), bowel obstruction, mesenteric ischemia, cholecystitis, renal colic, testicular torsion, TIA/CVA, seizure, and meningitis.

Claim 4 (original): The method according to claim 1, wherein the step of simulating the at least one course of treatment includes medicating the virtual patient and providing dynamic internal views and external views of organs and systems affected by an administered medication.

Claim 5 (original): The method according to claim 0, which further comprises selecting the medication used in medicating the virtual patient from the group consisting of saline, adenosine, nitroprusside, dilitazem, epinephrine, amiodarone, thrombolytics, atropine, heparin, enoxaparin, furosemide, beta blocker, nitroglycerine, and aspirin.

Claim 6 (original): The method according to claim 1, which further comprises visually indicating, with the virtual patient, at least one location of pain associated with the medical condition during the medical examination.

Claim 7 (original): The method according to claim 1, wherein the step of electronically providing the medical condition

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includes altering a severity of the medical condition according to one of the at least one course of treatment and a timeliness of response in administering at least one preferred course of treatment.

Claim 8 (original): The method according to claim 1, wherein the simulated medical examination includes performing ancillary testing selected from the group consisting of x-rays, CT scans, MRIs, EKGs, and laboratory data.

Claim 9 (original): The method according to claim 1, wherein the step of simulating the at least one course of treatment includes performing a procedure selected from the group consisting of CPR, defibrillation, needle decompression, EKG, and intubations.

Claim 10 (original): A system for indicating an electronic dynamic human body and simulating interactive patient care and treatment, the system comprising:

an instructional database containing data for at least one medical condition having dynamic internal views and external views of organs and systems relevant to the medical condition and data for at least one patient profile;

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an instructional processing device electronically connected to the instructional database, the processing device being configured to generate a virtual patient from the data of a selected patient profile and to simulate a medical examination and at least one course of treatment; and

an input control device electronically connected to the processing device to generate control signals interacting with the virtual patient and to alter the simulated medical examination and the simulated at least one course of treatment.

Claim 11 (original): The system according to claim 0, further comprising a display device electronically connected to said processing device configured to visualize the effects of the simulated medical examination and the simulated at least one course of treatment on the virtual patient through dynamic internal views and external views of organs and systems.

Claim 12 (original): The system according to claim 0, further comprising:

a communications network electronically connected to the instructional processing device; and multiple instructional consoles electronically connected to the communications network, each console

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observing the virtual patient and the simulated  
medical examination and the simulated at least one  
course of treatment.

Claim 13 (original): The system according to claim 0, wherein  
the multiple instructional consoles each provide feedback  
containing a suggested course of treatment to the  
instructional processing device.

Claim 14 (original): The system according to claim 0, wherein  
the instructional processing device includes a clock and the  
virtual patient is generated from data based on a real patient  
medical history, the virtual patient receiving the at least  
one course of treatment provided in the medical history.

Claim 15 (original): An apparatus for medical instruction,  
comprising:

a machine readable medium containing instructions which,  
when executed by a machine, cause the machine to perform  
operations including:

generating a medical condition for a virtual patient; and  
administering a simulated medical examination on the  
patient, the simulated medical examination having  
dynamic internal views and external views of organs  
and systems relevant to the medical condition.

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Claim 16 (original): The apparatus according to claim 0,  
wherein the machine readable medium contains instructions that  
cause the machine to administer at least one course of  
treatment on the virtual patient based in part on the  
simulated medical examination.

Claim 17 (original): The apparatus according to claim 0,  
wherein the at least one course of treatment includes  
medicating the virtual patient.

Claim 18 (original): The apparatus according to claim 0,  
wherein the machine readable medium contains instructions that  
cause the machine to observe the simulated effect of  
medicating the virtual patient on the medical condition with  
at least one dynamic internal view and at least one external  
view.

Claim 19 (original): The apparatus according to claim 0,  
wherein the simulated medical examination is conducted  
according to information provided in a medical history of a  
real patient and the reactions of the virtual patient  
correspond to the reactions of the real patient recorded in  
the medical history.

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Claim 20 (original): The apparatus according to claim 0,  
wherein the machine readable medium contains instructions that  
cause the machine to alter a severity of the medical condition  
according to a timeliness of response in providing a preferred  
course of treatment.